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IN THE ABSTRACT:

Please amend the abstract as follows:

--~~The invention concerns a~~ A system is provided in which  
~~wherein the spatial values (S1 to Sn) of the physical quantity are~~  
~~represented by measurement pulses (I1 to In),~~ the temporal ordering  
of which represents the values, which are processed by ~~whereof the~~  
~~temporal ordering represents said values. The system comprises a~~  
~~plurality of processing units (U1 to Un) for processing said~~  
~~measurement pulses. They are arranged in at least one row and~~ each  
~~include each an output (SOR1 to SORn).~~ During ~~whereon, during~~  
successive processing cycles, a measurement pulse processed therein  
can be delivered to form the output signal (SU) of the system.  
Each ~~The invention is characterized in that each processing unit~~  
~~(U1 to Un) comprises~~ includes an inhibiting unit means (BI) for, in  
other units ~~of the row~~ and during a given processing cycle,  
inhibiting the passage to the outputs ~~(SOR1 to SORn)~~ of ~~said the~~  
other units respective measurement pulses processed therein and  
hence preventing them from forming the output signal ~~(SU)~~, if ~~said~~  
the measurement impulses are temporally ordered later in the given  
processing cycle than the one processed in the unit concerned.--